

Canadian-Australian Royal Mail Steamship Company.

Shippers of the above line running in connection with the CANADIAN PACIFIC RAILWAY COMPANY between Vancouver, B. C., and Sydney, N. S. W., and calling at Victoria, B. C., Honolulu, and Brisbane, Q., are

Due at Honolulu.

On or about the dates below stated, viz:

From Sydney and Brisbane, for Victoria and Vancouver, B. C.:
 From Victoria and Vancouver, B. C., for Brisbane and Sydney:

MOANA	AUG. 23	MOANA	AUG. 31
MOWERA	SEPT. 25	MOWERA	SEPT. 28

The magnificent new service, the "Imperial Limited," is now running daily between VANCOUVER and MONTREAL, making the run in 100 hours, without change. The finest railway service in the world.

Through tickets issued from Honolulu to Canada, United States and Europe.

For freight and passage and all general information, apply to

Theo. H. Davies & Co., Ltd., Gen'l Agts

Oceanic Steamship Co.

Time Table:

The fine Passenger Steamers of this line will arrive and leave this port as under:

FOR SAN FRANCISCO.		FROM SAN FRANCISCO.	
MARIPOSA	AUG. 21	MARIPOSA	AUG. 17
VENTURA	AUG. 27	SONOMA	AUG. 28
ALAMEDA	SEPT. 11	ALAMEDA	SEPT. 7
VENTURA	SEPT. 17	VENTURA	SEPT. 13
ALAMEDA	OCT. 1	ALAMEDA	SEPT. 23
SONOMA	OCT. 8	SIERRA	OCT. 9
VENTURA	OCT. 23	ALAMEDA	OCT. 19
ALAMEDA	OCT. 29	SONOMA	OCT. 13
VENTURA	NOV. 13	ALAMEDA	NOV. 9
ALAMEDA	NOV. 19	VENTURA	NOV. 20
SONOMA	NOV. 26	ALAMEDA	NOV. 22

In connection with the sailing of the above steamers, the Agents are prepared to issue, to intending passengers, Coupons Through Tickets by any railroad, from San Francisco, to all points in the United States, and from New York by any steamship line to all European ports.

For FURTHER PARTICULARS, APPLY TO

WM. G. IRWIN & Co

—LIMITED—
General Agents Oceanic S. S. Co.

Pacific Mail Steamship Co.

Occidental & Oriental S.S. Co. and Toyo Kisen Kaisha.

Steamers of the above companies will call at Honolulu and leave this port on or about the dates below mentioned:

FOR CHINA AND JAPAN.		FOR SAN FRANCISCO.	
AMERICA MARU	AUG. 17	HONGKONG MARU	AUG. 20
PEKING	AUG. 24	CHINA	AUG. 27
HALEI	SEPT. 3	DORIC	SEPT. 6
HONGKONG MARU	SEPT. 11	NIPPON MARU	SEPT. 13
PEKING	SEPT. 19	PERU	SEPT. 21

First quarter of the moon on the 21st at 9:22 p. m.

Times of the tide are taken from the United States Coast and Geodetic Survey tables.

The tides at Kahului and Hilo occur about one hour earlier than at Honolulu. Hawaiian standard time is 10 hours 30 minutes slower than Greenwich time, being that of the meridian of 157 degrees 30 minutes. The time whistle blows at 1:30 p. m., which is the same as Greenwich, 0 hours 0 minutes. Sun and moon are for local time for the whole group.

For general information, apply to P. M. S. S. Co.

H. Hackfeld & Co., Ltd.

AGENTS.

American-Hawaiian Steamship Company

New York to Honolulu via Pacific Coast

THE SPLENDID NEW STEEL STEAMERS

AMERICAN, 6,000 tons, sailed August 3
 HAWAIIAN, 6,000 tons, to sail October 15
 CALIFORNIAN, 6,000 tons, sailed from New York June 16th; will load on Puget Sound about September 1st, for Hawaiian ports.

Freight received at Company's wharf, Forty-Second street, South Brooklyn, at all times.

For further particulars, apply to

H. HACKFELD & CO., LTD.

P. MORSE, General Freight Agent. AGENTS, HONOLULU.

James F. Morgan, President; Cecil Brown, Vice President; F. Hustace, Secretary; Charles H. Atherton, Auditor; W. H. Hoogs, Treasurer and Manager.

Hustace & Co., Ltd.

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 Special Attention Given to Draying.

CHAS. BREWER & CO.'S New York Line

Ship Helen Brewer

will sail from NEW YORK for HONOLULU, on or about

Sept. 1, 1901

For freight rates apply to

CHAS. BREWER & CO.

27 Kilby St., Boston.

—OR—

C. BREWER & CO., LTD.

HONOLULU.

WM. G. IRWIN & CO., LTD.

Wm. G. Irwin, President and Manager

Claus Spreckels, First Vice President

W. M. Giffard, Second Vice President

H. M. Whitney, Jr., Treasurer and Sec.

George W. Ross, Auditor

SUGAR FACTORS

—AND—

Commission Agents

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Oceanic Steamship Company

Of San Francisco, Cal.

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A. W. PEARSON, Business Manager.

SUBSCRIPTION RATES:

For the United States (including Hawaii Territory):

3 months \$2.00

6 months 4.00

1 year 8.00

Advertising rates on application.

OAHU RAILWAY & LAND CO.

TIME TABLE.

From and after Jan. 1, 1901.

OUTWARD.

Stations.	ex.	ex.	ex.	ex.	ex.
	Sun.	Sun.	Sun.	Sun.	Sun.
Honolulu	7:10	9:15	11:05	3:15	5:10
Pearl City	8:02	9:48	11:40	3:47	5:30
Ewa Mill	8:32	10:08	12:00	4:06	5:10
Waiwae	9:00	10:30	12:30	4:35	5:40
Waiwae	11:05	12:35	1:40	6:10	7:15
Kahuku	12:32	1:40	2:45	7:15	8:20

INWARD.

Stations.	ex.	ex.	ex.	ex.	ex.
	Sun.	Sun.	Sun.	Sun.	Sun.
Kahuku	5:25	6:30	7:35	8:40	9:45
Waiwae	6:10	7:15	8:20	9:25	10:30
Waiwae	7:10	8:15	9:20	10:25	11:30
Ewa Mill	5:50	7:45	9:40	11:35	12:40
Pearl City	6:15	8:03	9:50	11:40	12:45
Honolulu	6:50	8:35	1:00	12:45	1:50

G. P. DENISON, Superintendent.

F. C. SMITH, G. P. & T. A.

METEOROLOGICAL RECORD.

By the Government Survey, Published Every Monday.

Day	Barom.	Therm.	Humid.	Wind	Force
	Barom.	Therm.	Humid.	Wind	Force
Mon.	30.00	79.00	78.00	NE	4
Tues.	30.00	79.00	78.00	NE	4
Wed.	30.00	79.00	78.00	NE	4
Thurs.	30.00	79.00	78.00	NE	4
Fri.	30.00	79.00	78.00	NE	4
Sat.	30.00	79.00	78.00	NE	4
Sun.	30.00	79.00	78.00	NE	4

Barometer corrected to 32 F. and sea level, and for standard gravity of Lat. 45. This correction is -.06 for Honolulu.

TIDES, SUN AND MOON.

Day	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide
	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide
Mon.	19	6:34	1:18	7:27	0:31	1:26	5:30	10:10	11:28	12:42
Tues.	20	7:10	1:18	8:26	1:04	2:01	5:40	10:26	11:42	12:58
Wed.	21	7:46	1:17	9:13	1:49	2:54	5:49	10:25	11:38	12:54
Thurs.	22	8:25	1:16	10:07	2:32	3:42	5:40	10:24	11:34	12:50
Fri.	23	9:11	1:15	11:04	3:14	4:25	5:41	10:24	11:30	12:46
Sat.	24	10:00	1:14	12:05	3:51	5:04	5:41	10:23	11:26	12:42
Sun.	25	10:51	1:13	1:08	4:24	5:35	5:41	10:23	11:22	12:38
Mon.	26	1:27	1:12	1:47	4:50	6:00	5:41	10:23	11:18	12:34

SHIPPING INTELLIGENCE.

ARRIVED.

Monday, August 19.

U. S. N. T. Solace, Winslow, from Manila, via Guam, en route to San Francisco.

T. K. S. S. Hongkong Maru, Filmer, from Yokohama.

Schr. Twilight, from Kauai ports.

DEPARTED.

Schr. F. W. Slade, Sorenson, for Elele, Kauai, to discharge coal.

Schr. Malolo, for Hanalei and Kailua, at 5 p. m.

Schr. Concord, for Hamakua and Kuluhaele, at 10 a. m.

Str. Lohua, Napala, for Kalaupapa, Pelekuni, Wailua and Halawa, at 5 p. m.

Str. Lohua, Napala, for Kalaupapa, Molokai.

SAIL TODAY.

T. K. S. S. Hongkong Maru, Filmer, for San Francisco; 5 p. m.

S. S. Mariposa, for San Francisco; 5 p. m. (mail and passengers).

Gasco, Schr. Eclipse, Townsend, for Lahaina, Hookena, Kihai, Kailua, Napoopoo, at 3 p. m.

Str. W. G. Hall, S. Thompson, for Nawiliwili, Hanalei, Koloa and Elele, at 5 p. m.

Str. Kinai, Freeman, for Hilo and way ports, at noon.

Str. Claudine, Parker, for Maui ports, at 5 p. m.

TEN YEARS PAST THE CENTURY MARK.

Nathan Woodward, believed to have been more than 110 years old, died at Basking Ridge, N. J., a few days ago.

The date of birth of an ancient negro is always suspected, and so it must be said that Mr. Woodward's is fixed by his having become free in 1816 by virtue of an act passed in 1808, freeing all persons in servitude in New Jersey when they should reach 25. There was nothing in particular to tell about the old man except that he worked for his living until ten years ago, and since then had been supported by the town, gradually losing his faculties and enjoying nothing except his pipe.

MRS. TODD'S UNIQUE DISTINCTION.

The only woman as far as is known who ever went on an astronomical expedition as a scientist pure and simple is now on her way home from Borneo. This is Mrs. Mabel Loomis Todd, who, with her daughter, Millicent, accompanied her husband, Professor Todd, of Amherst, to the Asiatic island last April to observe the eclipse in the following month. Mrs. Todd is a Cambridge woman and a deep student of astronomy.

RAPID TRANSIT ROUTE COMPLETE

Last Obstruction Has Been Removed From the Right of Way.

The last obstruction to the completion of the tracks of the Rapid Transit Company at Alapai street, on the extension of Hotel street, was removed yesterday afternoon. This completes the right of way from Manoa valley to Hotel street and along King and Liliha to Wyllie street. It is expected that the overhead wiring will be finished this week, while the track is all in shape except the 100 feet where the house was removed yesterday. This will be laid at once. The completion of this link will enable the trial trip to be made early in next week, and it is probable that service will be commenced over the entire line by the latter part of next week.

An Unsuccessful Bluff.

The Ladies' Aid Society of the First Presbyterian Church of Toledo, gave a carnival the other evening, and among other attractions was a kissing booth where kisses could be obtained for 5 cents. Young and old men paid a nickel to enter, but when they got inside each received a molasses candy kiss. A general kick was made, and in a few minutes another sign went up. It read: "The real thing—one dollar." No one was willing to put up this Pan-American price for the osculatory exercise, however, and the treasury was not augmented. Now the conservative element of the church are angry. Conventional members say it was madness to display the "real thing" sign, and the pretty girls who could not realize \$1 for a kiss have a poor idea of the young men of the town.

PASSENGERS.

Arrived.

From the Orient, per steamer Hongkong Maru, August 19, for Honolulu—P. Moller, Mrs. E. B. Bessie, Mrs. San Francisco—Rear Admiral Beardslee, S. N.; Mrs. Beardslee and maid, A. J. Bowie, F. W. Brooks, Lieutenant Brethaupt, Lieutenant Busse, Captain Dietel, Lieutenant von Hagen, Miss Ester Hawley, Miss Adela Hawley, Major Hoffmann, R. C. Heath, Mrs. R. Kersch, Lieutenant B. Koethe, Lieutenant Leisner, Louis Shuck, Lee Shee, Louis Mot, Louis Fong, Louis Y. Fa, Louis Y. Lam, Louis Y. Young, Lieutenant K. Lutz, I. M. Iago, Y. Nakajima, K. Naoki, Hatsuzo Mayesawa, Iohko Onuta, Baron Von Reitzenstein, Major Von Reppert, Captain H. Richelot, Miss E. Schwedersky, Lieutenant Westermeyer, Mrs. E. C. Whalen and maid, Mrs. William Whitley, M. H. Cardew, M. B. Garcia, Florian Glasko, John M. Manos, S. C. Higgins, Mrs. K. Wada, E. Iwazaki, Hussein Effendi, Mrs. E. Gasparian, Muktion Gasparian, Alkanush Gasparian, Marie Gasparian, Matiana Gasparian.

Per steamer Claudine, August 18, from Maui ports—J. P. Cooke, H. P. Baldwin, Mrs. J. Kirkland, Miss M. Kirkland, Miss Mary Green, Mrs. J. Waterhouse, T. P. Du Rose, M. Beckwith, J. C. Moura, wife and child; Theodore Richards, J. A. Tuthill, Chang Kam Po, Chong Kwon Chee, W. S. Akana, Mr. Fujisawa, Sister Leopoldina, Miss Knapp, Mrs. D. C. Lindsay, E. Sloper, A. H. Irving, Misses Sutherland (2), Miss Keoho, Miss Keahi, Mrs. C. Lee Pat, Mrs. C. Lake and son, Miss H. Lee Pat, D. P. Kapewa and wife, Mrs. A. Kekuewa, A. G. Frias and wife, Mrs. Sylvia, M. J. Borba, wife and two children; Mrs. Achong, Mrs. Kalina, Mrs. Ah Wa, Rev. S. K. Kaaliua and three children, George R. Carter, Miss S. Iokla, Miss Hannah Kau, Mrs. A. Bishy, Mrs. K. Holuosa, Miss M. A. Nunes, F. J. Cross, C. P. Grimwood, L. Barkhauser, William White, D. K. Kahaloilo, and 101 on deck.

Per steamer Lohua, August 17, from Molokai ports—Mrs. W. G. Brush and family, Mrs. J. Bockett, Miss E. Du-doit, Miss B. Pechi, Miss D. Kaupu, C. Palhaale, J. Aea, Rev. Father Thomas, W. G. Walker, F. B. Damon, G. P. Cooke, Allan W. Judd, F. B. Newton, H. A. Peterson, and eight on deck.

A remarkable influence of iron sulphate upon plant growth has been reported by a French experimenter, M. E. Henriot. A partial failure of a crop of kidney beans in 1899 was found to be due to ravages of worms, snails, etc., and last year the seeds were soaked in a 1 per cent solution of iron sulphate as a protective measure, the treated seeds being planted in the first and third of a plot of six rows. The plants in the treated rows showed striking increase in size and productivity, while those in the second row were much better than in the rows entirely unprotected. On repeating the experiment it was found that the treated seeds gave plants nearly twice as tall as seeds soaked in water, and more than four times as large as seeds planted dry, and the crop was always larger. Treated peas showed an increase of 10 per cent in yield. Similar results have been had with turnips, cabbages, carrots and other plants, the seeds being soaked for a quarter of an hour in the solution, and only in the case of alfalfa was the effect unfavorable. A marked increase in the size and number of knots on the roots suggests that plants from the treated seeds assimilate nitrogen from the air much more readily than others.

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Honolulu, August 19, 1901.

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